APPENDIX Q

PRELIMINARY PLANNING COST ESTIMATES

PRELIMINARY PLANNING COST ESTIMATES SHORT TERM IMPROVEMENTS

				Unit	
Location	Description	Unit	Quantity	Price (A)	Total
5.3.1 - Nebraska Avenue to 27th Street	- Remove existing pavement markings	LS	1	\$20,000	\$20,000
	- Signs	SF	80	\$80	\$6,400
	- Re-stripe segment to three 12' lanes	LF	10600	\$0.70	\$7,420
			Location Su	b Total:	\$33,820
5.3.2 - 14th Street to Georgia Avenue	- Reallocate signal timing	LS	1	\$5,000	\$5,000
5.5.2 - 14th Officer to Georgia Avenue	Add specialty markings for Missouri Avenue through traffic	LF	1200	\$0.70	\$840
	- Install "Left Lane Must Turn Left" sign (3)	SF	18.75	\$80	\$1,500
	- Install "No Parking Here To Corner" sign	SF	1.5	\$80	\$120
	- Install "No Parking" signs (2)	SF	3	\$80	\$240
	- Add lane use signs	SF	60	\$80	\$4,800
	/ loa laite doe signe	OI .	Location Su		\$12,500
500 011 01 11 0 101 1	D			400.000	400.000
5.3.3 - 9th Street to 3rd Street	- Remove existing pavement markings	LS	1	\$20,000	\$20,000
	- Signs	SF	80	\$80	\$6,400
	- Re-stripe segment to three 12' lanes	LF	12300	\$0.70	\$8,610
			Location Su	b Total:	\$35,010
5.3.4 - New Hampshire Avenue to Blair Road	- Re-stripe pedestrian crossings (2 Crossings)	LF	298	\$3	\$894
	- Re-stripe all approaches	LF	600	\$0.70	\$420
	- Add lane use signs	SF	7.5	\$80	\$600
			Location Su	b Total:	\$1,914
5.4.1 - Military Road/Western Avenue	- Reallocate signal timing	LS	1	\$2,000	\$2,000
3.4.1 - Williary Road/Western Avenue	- Add lane use signs	SF	12.5	Ψ <u>2,</u> 000	\$1,000
	/ loa laite doe signe	OI .	Location Su	,	\$3,000
5.4.2 - Military Road/43rd Street	- Add parking stall striping	LF	108	\$0.70	\$76
5.4.2 - Willitary Road/451d Street	- Relocate "No Parking Here To Corner" sign.	SF	1.5	\$0.70 \$80	\$120
	- Relocate No Farking Here to Comer Sign.	Si	Location Su	_	\$196
5.4.3 - Military Road/41st Street/Reno Road	- Reallocate signal timing	LS	1	\$2,000	\$2,000
	- Install red light camera	LS	1	\$20,000	\$20,000
			Location Su	ib Total:	\$22,000
5.4.4 - Military Road/39th Street	- Relocate eastbound speed limit sign	SF	6.25	\$80	\$500
•	- Install new westbound speed limit sign	SF	5	\$80	\$400
	- Re-stripe pedestrian crossings (4 Crossings)	LF	560	\$3	\$1,680
	- Re-stripe all approaches	LF	800	\$0.70	\$560
	- Add parking stall striping	LF	108	\$0.70	\$76
			Location Su	b Total:	\$3,216

PRELIMINARY PLANNING COST ESTIMATES SHORT TERM IMPROVEMENTS

	B 1.0			Unit	
Location	Description Section and the se	Unit	Quantity	Price (A)	Total
5.4.5 - Military Road/Connecticut Avenue	- Re-stripe eastbound island taper for the left turn lane	LF	500	\$0.70	\$35
	- Add lane use sign for westbound traffic	SF	7.5	\$80	\$60
	- Reallocate signal timing	LS	1	\$2,000	\$2,000
			Location Su	ıb Total:	\$2,950
5.4.6 - Military Road/Nevada Avenue	- Re-stripe pedestrian crossings (4 Crossings)	LF	772	\$3	\$2,316
,	- Add parking stall striping	LF	1000	\$0.70	\$700
	- Relocate speed limit signs (1)	SF	5	\$80	\$40
	- Install "No Parking Here To Corner" signs (2)	SF	3	\$80	\$24
	motali No Faming Fiere to Comer Signs (2)	Oi	Location Su	_	\$3,65
5.4.7 - Military Road/Broad Branch Rd/Nebraska Ave	 Re-stripe pedestrian crossings (4 Crossings) 	LF	1006	\$3	\$3,018
	- Re-stripe all approaches	LF	2000	\$0.70	\$1,400
	- Relocate "No Left Turn At Military" sign on the northbound aproach	SF	5	\$80	\$400
	 Install "Left Lane Must Turn Left" sign on westbound approach 	SF	5	\$80	\$400
	- Add westbound lane use sign	SF	7.5	\$80	\$600
	- Reallocate signal timing	LS	1	\$2.000	\$2,000
			Location Su	, ,	\$7,818
5.4.8 - Military Road/32nd Street	 Re-stripe pedestrian crossings (4 Crossings) 	LF	722	\$3	\$2,166
	- Re-stripe all approaches	LF	1600	\$0.70	\$1,120
	- Relocate speed limit signs (2)	SF	10	\$80 _	\$800
			Location Su	b Total:	\$4,086
5.4.9 - Military Road/31st Street	- Re-stripe pedestrian crossings (4 Crossings)	LF	682	\$3	\$2,046
0.4.5 William y Roddino 15t Officet	- Re-stripe all approaches	LF	1600	\$0.70	\$1,120
	- Install "No Parking Here To Corner" sign of 31st Street	SF	1.5	\$80	\$120
	- Install "Signal Ahead" sign for eastbound traffic	SF	6.25	\$80 \$80	\$500
	- Ilistali Sigilal Allead Sigil for eastboulld traffic	SF	Location Su		\$3,786
			Location ou	D Total.	ψ0,7 00
5.4.10 - Military Road/30th Street	- Re-stripe pedestrian crossings (3 Crossings)	LF	532	\$3	\$1,596
	- Re-stripe all approaches	LF	1400	\$0.70	\$980
			Location Su	b Total:	\$2,576
5 4 44 Military Dand/07th Otroot	Do atrino moderation accesions (4 Conssigns)		4000	# 2	#2.00 (
5.4.11 - Military Road/27th Street	- Re-stripe pedestrian crossings (4 Crossings)	LF	1002	\$3	\$3,006
	- Re-stripe all approaches	LF	2000	\$0.70	\$1,400
	- Add lane use signs	SF	7.5	\$80	\$600
	- Install "Signal Ahead" signs (2)	SF	12.5	\$80	\$1,000
	- Install "No Parking" signs (2)	SF	3	\$80	\$240
	- Adjust signal heads	LS	1	\$3,000	\$3,000
			Location Su	b Total:	\$9,246
5.4.12 - Military Road/Oregon Avenue/Glover Drive	- Reallocate signal timing	LS	1	\$2,000	\$2,000
5.4. 12 - Williary Road/Oregon Avenue/Glover Drive		SF	12.5	\$2,000 \$80	
	- Install "Reduce Speed Ahead" signs (2)	ЭF	12.5	φου	\$1,000

PRELIMINARY PLANNING COST ESTIMATES SHORT TERM IMPROVEMENTS

				Unit	
Location	Description	Unit	Quantity	Price (A)	Total
			Location Su	b Total:	\$3,000
5.4.13 - Military Road/16th Street	- Install "Yield" sign	SF	3.2	\$80	\$256
			Location Su	,	\$256
5.4.14 - Missouri Avenue/14th Street	De atrice all annuaches		2400	#0.70	£4.000
5.4.14 - Missouri Avenue/ 14th Street	- Re-stripe all approaches	LF SF	2400	\$0.70	\$1,680
	- Install "Left Lane Must Turn Left" sign (1)		6.25	\$80 \$80	\$500
	- Install "No Parking Here To Corner" sign	SF SF	1.5		\$120
	- Install "No Parking" signs (2)	SF LF	3 78	\$80	\$240 \$55
	- Add parking stall striping	SF		\$0.70	,
	- Add lane use signs (2)	LS	15 1	\$80	\$1,200
	- Reallocate signal timing	LS	Location Su	\$2,000 _	\$2,000 \$5,795
			Location ou	b Total.	ψ0,130
5.4.15 - Missouri Avenue/13th Street	- Re-stripe pedestrian crossings (4 Crossings)	LF	990	\$3	\$2,970
	- Re-stripe all approaches	LF	2600	\$0.70	\$1,820
	- Install "Left Lane Must Turn Left" sign (2)	SF	12.5	\$80	\$1,000
	- Add lane use signs (2)	SF	15	\$80	\$1,200
	3 ()		Location Su	b Total:	\$6,990
5.4.40 Missauri August (Oslandia August	News				00
5.4.16 - Missouri Avenue/Colorado Avenue	- None		Location Su	h Total:	\$0 \$0
			Location Su	D TOLAI.	ΨΟ
5.4.17 - Missouri Avenue/Georgia Avenue	- Reallocate signal timing	LS	1	\$2,000	\$2,000
	 Add specialty markings for Missouri Avenue through traffic 	LF	1200	\$0.70	\$840
			Location Su	b Total:	\$2,840
5.4.18 - Missouri Avenue/9th Street	- Re-stripe all approaches	LF	1600	\$0.70	\$1,120
5.4. 10 - Missouri Avende/9th Street	- Add parking stall striping	LF	200	\$0.70 \$0.70	Ψ1,120
	- Install "No Parking Here To Corner" signs of 9th Street (2)	SF	3	\$80 \$80	\$240
	- Install No Farking Fiele To Comer signs of still offeet (2)	31	Location Su	,	\$1,360
					, ,===
5.4.19 - Missouri Avenue/8th Street	 Re-stripe pedestrian crossings (4 Crossings) 	LF	720	\$3	\$2,160
	- Re-stripe all approaches	LF	1600	\$0.70	\$1,120
			Location Su	b Total:	\$3,280
5.4.20 - Missouri Avenue/5th Street	- Re-stripe pedestrian crossings (4 Crossings)	LF	792	\$3	\$2,376
J.T.ZU - WIISSUUT AVEHUE/JUIT SUEEL	- Re-stripe all approaches	LF LF	1800	ەم 90.70	\$2,376 \$735
	- Add lane use signs (2)	SF	1500	\$0.70 \$80	\$1,200
	- Aud latte use signs (2)	JF	Location Su	,	\$4,311
-					¥ ·,• · ·
5.4.21 - Missouri Avenue/3rd Street	- Re-stripe pedestrian crossings (4 Crossings)	LF	910	\$3	\$2,730
			Location Su	b Total:	\$2,730

PRELIMINARY PLANNING COST ESTIMATES SHORT TERM IMPROVEMENTS

				Unit	
Location	Description	Unit	Quantity	Price (A)	Total
5.4.22 - Missouri Avenue/Kansas Avenue	- Re-stripe pedestrian crossings (5 Crossings)	LF	1050	\$3	\$3,150
	- Re-stripe all approaches	LF	1600	\$0.70	\$1,120
			Location Su	b Total:	\$4,270
5.4.23 - Missouri Avenue/2nd Street	- None				\$0
			Location Su	b Total:	\$0
5.4.24 - Missouri Avenue/New Hampshire Avenue	- Re-stripe pedestrian crossings (4 Crossings)	LF	792	\$3	\$2,376
	- Re-stripe all approaches	LF	2400	\$0.70	\$1,680
	- Install "No Parking" signs (2)	EA	3	\$80	\$240
	3 - 3 - 4 /		Location Su	b Total:	\$4,296
5.4.25 - Missouri Avenue/North Capitol Street	 Re-stripe pedestrian crossings (4 Crossings) 	LF	1012	\$3	\$3,036
	- Re-stripe all approaches	LF	2800	\$0.70	\$1,960
	- Reallocate signal timing	LS	1	\$2,000	\$2,000
			Location Su	b Total:	\$6,996
5.4.26 - Missouri Avenue/Riggs Road/Blair Road	- Re-stripe pedestrian crossings (4 Crossings)	LF	632	\$3	\$1,896
0.4.20 - Milosouti Avenue/Niggs Noad/Diaii Noad	- Re-stripe all approaches	LF	1800	\$0.70	\$1,260
	- Reallocate signal timing	LS	1	\$2,000	\$2,000
	- Neallocate Signal titling	LS	Location Su	• • •	\$5,156

Notes:

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Sketch-plan estimates. Actual improvement cost estimates to be calculated upon design completion of each improvement. All costs exclusive of Right-of-Way acquisition costs

PRELIMINARY PLANNING COST ESTIMATES LONG TERM IMPROVEMENTS

Location	Des	scription	Unit	Quantity	Unit Price (A)	Total
Location	Des	сприон	Unit	Quantity	Price (A)	TOTAL
5.3.1 - Nebraska Avenue to 27th Street	-	Included in individual intersections below			_	\$0
				Location Su	b Total:	\$0
5.3.2 - 14th Street to Georgia Avenue	_	Reconfigure Missouri and Georgia Avenue intersection geometry	LS	1	400000	\$400.000
	-	Construct raised median through Colorado Avenue	SF	400	\$80	\$32,000
	-	Construct raised median between 14th and 13th Street	LF	950	\$300	\$285,000
	-	Widen for left turn storage lane - 13th Street to Colorado	LF	280	\$500	\$140,000
				Location Su	b Total:	\$857,000
5.3.3 - 9th Street to 3rd Street	_	Included in individual intersections below				\$0
				Location Su	b Total:	\$0
5.3.4 - New Hampshire Avenue to Blair Road	_	Repave roadway segment	SY	5000	\$20	\$100,000
o.o. r rion riamponiro / trondo to Blair rioda	_	Reconstruct wheel chair ramps to ADA standards	EA	4	\$5,000	\$20,000
	_	Install internally illuminated signs (2)	EA	2	\$2,000.00	\$4,000
	_	Install fully-actuated Signal Systems	LS	_ 1	\$300,000	\$300,000
	-	Interconnect signal systems	LS	1	\$50,000	\$50,000
				Location Su		\$474,000
5.4.1 - Military Road/Western Avenue	_	Reconstruct Islands and Ramps	SY	300	\$42	\$12,600
				Location Su		\$12,600
5.4.2 - Military Road/43rd Street		Reconstruct wheel chair ramps to ADA standards	EA	3	\$5,000	\$15,000
3.4.2 - Williamy (Noad) 4314 Street		Reconstruct wheel chair ramps to ADA standards	LA	Location Su		\$15,000
5.4.3 - Military Road/41st Street/Reno Road	-	Widen for Eastbound Right Turn Lane	LF	200	\$100	\$20,000
	-	Install side street vehicular detection	EA	2	\$12,500	\$25,000
	-	Upgrade to a fully-actuated Signal System	LS	1	\$25,000	\$25,000
				Location Su	b Total:	\$20,000
5.4.4 - Military Road/39th Street	-	Install pedestrian actuation equipment	LS	1	\$8,000	\$8,000
	-	Install equipment to modify signal to be semi-actuated	LS	2	\$25,000	\$50,000
				Location Su	b Total:	\$58,000
5.4.5 - Military Road/Connecticut Avenue	_	Install a fully-actuated Signal System	LS	1	\$100,000	\$100,000
•	-	Reconstruct southeast quadrant curb line	LF	75	\$80	\$6,000
		·		Location Su	b Total:	\$106,000
5.4.6 - Military Road/Nevada Avenue	_	Reconstruct wheel chair ramps to ADA standards	EA	2	\$5,000	\$10,000
				Location Su	· · ·	\$10,000
5.4.7 - Military Rd/Broad Branch Rd/Nebraska Ave		Reconstruct wheel chair ramps to ADA standards	EA	5	\$5,000	\$25,000
5.4.7 - Williary Ru/Dioau Dianth Ru/Nebraska Ave	-	Reconstruct wheel chair ramps to ADA standards Reconstruct southeast quadrant curb line	LF	5 75	\$5,000 \$80	\$25,000
	-	1.000mondot godinodot quadrant ourb iinto	LI	7.5	φου	Ψ0,000

PRELIMINARY PLANNING COST ESTIMATES LONG TERM IMPROVEMENTS

Landin		- to 41 a c	11-2	0	Unit	T-4-1
Location	Des	cription Repave roadway segment	Unit SY	Quantity 2000	Price (A) \$20	Total \$40.000
		repave roadway segment	- ST	Location Su		\$40,000 \$25,000
5.4.8 - Military Road/32nd Street		Reconstruct wheel chair ramps to ADA standards	EA	2	\$5,000	\$10,000
5.4.8 - Willitary Road/3211d Street	-	Install pedestrian actuation equipment	LS	1	\$8,000	\$8,000
	_	Install equipment to modify signal to be semi-actuated	EA	2	\$25,000	\$50,000
	_	mstall equipment to mounty signal to be semi-actuated	LA	Location Su		\$68,000
				_	4= 000	4 000
5.4.9 - Military Road/31st Street	-	Reconstruct wheel chair ramps to ADA standards	EA	3	\$5,000	\$15,000
	-	Install pedestrian actuation equipment	LS	1	\$8,000	\$8,000
	-	Install equipment to modify signal to be semi-actuated	EA	2	\$80	\$160
	-	Construct new Metro bus turn out lane	LF	200 Location Su	\$300 b Total:	\$60,000 \$83,160
-				200411011 04		\$00,100
5.4.10 - Military Road/30th Street	-	Reconstruct wheel chair ramps to ADA standards	EA	1	\$5,000	\$5,000
	-	Install pedestrian actuation equipment	LS	1	\$8,000	\$8,000
	-	Install equipment to modify signal to be semi-actuated	EA	2	\$80	\$160
	-	Construct new Metro buss turn out lanes (2)	LF	400	\$300	\$120,000
				Location Su	b Total:	\$133,160
5.4.11 - Military Road/27th Street	_	Reconstruct wheel chair ramps to ADA standards	EA	4	\$3	\$12
o		Troopholiae Micor Grain Tampe to 7.57 Calandarae	_, ,	Location Su		\$12
5.4.40 Milli B. 1/0				5000	***	# 4 0 40 0 00
5.4.12 - Military Road/Oregon Avenue/Glover Drive	-	Construct Multi-use trail from Oregon Avenue to 16th Street	LF	5200 Location Su		\$1,040,000 \$1,040,000
-				Location Su	o iotai.	ψ1,0 4 0,000
5.4.13 - Military Road/16th Street	-	None				\$0
				Location Su	b Total:	\$0
5.4.14 - Missouri Avenue/14th Street	-	Included in 5.3.2 above				\$0
				Location Su	b Total:	\$0
5.4.15 - Missouri Avenue/13th Street		Included in 5.3.2 above				\$0
5.4. 15 - Missoull Avenue/ 15th Street	-	included in 5.5.2 above				\$0 \$0
				Location Su	b Total:	\$0
				,		
5.4.16 - Missouri Avenue/Colorado Avenue	-	Construct raised median through Colorado Avenue	SF	400	\$25	\$10,000
	-	Remove Existing signal system	LS	1	\$20,000	\$20,000
				Location Su	b Total:	\$30,000
5.4.17 - Missouri Avenue/Georgia Avenue	-	Refer to improvements in 5.3.2 above				\$0
3	-	Construct pedestrian plaza	SF	560	\$50.00	\$28,000
				Location Su	b Total:	\$28,000

PRELIMINARY PLANNING COST ESTIMATES LONG TERM IMPROVEMENTS

				-	Unit	_
Location	Des	scription	Unit	Quantity	Price (A)	Total
5.4.18 - Missouri Avenue/9th Street	-	None			-	\$0
				Location Su	b Total:	\$0
5.4.19 - Missouri Avenue/8th Street	_	Install pedestrian actuation equipment	LS	1	\$8,000	\$8,000
	_	Install equipment to modify signal to be semi-actuated	EA	2	\$12,500	\$25,000
		··· · · · · · · · · · · · · · · · · ·		Location Su	· · ·	\$33,000
5.4.20 - Missouri Avenue/5th Street	-	Install pedestrian actuation equipment	LS	1	\$8,000	\$8,000
	-	Install equipment to modify signal to be semi-actuated	EA	2	\$12,500 _	\$25,000
				Location Su	b Total:	\$33,000
5.4.21 - Missouri Avenue/3rd Street		None				\$0
5.4.21 Missouri / Welldoord Street		None		Location Su	b Total:	\$0
						* -
5.4.22 - Missouri Avenue/Kansas Avenue	-	None			_	\$0
				Location Su	b Total:	\$0
5 4 00 Missauri August Ord Otrest						00
5.4.23 - Missouri Avenue/2nd Street	-	Improvements being designed and installed by another program		Location Su	h Total:	\$0 \$0
				Location Su	D TOTAL.	ψU
5.4.24 - Missouri Avenue/New Hampshire Avenue	_	Stripe a new soutbound lane shift / taper	LF	150	\$0.70	\$105
·	-	Reconstruct wheel chair ramps to ADA standards	EA	2	\$5,000	\$10,000
		·		Location Su	b Total:	\$10,105
5.4.25 - Missouri Avenue/North Capitol Street	-	Reconstruct wheel chair ramp to ADA standards	EA	1	\$5,000	\$5,000
	-	Repave roadway segment	SY	3000	\$20 _	\$60,000
				Location Su	b Total:	\$65,000
5.4.26 - Missouri Avenue/Riggs Road/Blair Road		Reconstruct wheel chair ramp to ADA standards	EA	1	\$5,000	\$5,000
5.7.20 - Missouli Avenue/Niggs Noau/Blall Roau	_	Repave roadway segment	SY	2000	\$5,000 \$20	\$40,000
	-	Repare reading segment	01	Location Su	·	\$45,000
				Location 3u	o i otal.	ψ -1 0,000

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